

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	11	"5315162"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/28 14:21
S2	2	"5315162".did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/28 14:38
S3	0	"68889216".did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/28 14:38
S4	2	"6889216".did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/28 14:40
S5	2	"6995649".did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/28 14:42
S6	2	"7028017".did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/28 14:43
S7	1	"7039619".did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/28 14:57
S8	2	"5864835".did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/28 14:57


[Home](#) | [Login](#) | [Logout](#) | [Access Information](#)

Welcome United States Patent and Trademark
Office

Search Results

[BROWSE](#)
[SEARCH](#)
[IEEE XPLORE GUI](#)

Results for "(((carbon nanotubes)and neural<in>metadata)) <and> (pyr >= 1950 <and> pyr <...)"

Your search matched 3 of 1365662 documents.

A maximum of 100 results are displayed, 100 to a page, sorted by Relevance in Descending order.

» Search Options

[View Session History](#)
[New Search](#)

Modify Search

(((carbon nanotubes)and neural<in>metadata)) <and> (pyr >= 1950 <an

☐ Check to search only within this results set

Display
Format:

☒ Citation ☐ Citation & Abstract

[view selected items](#)

[Select All](#) [Deselect All](#)

» Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

- ☐ **1. Temperature correction to chemoresistive sensors in : system**
Hobson, R.S.; Clausi, A.; Thomas Oh; Guiseppi-Elie, A.;
[Sensors Journal, IEEE](#)
Volume 3, Issue 4, Aug. 2003 Page(s):484 - 489
Digital Object Identifier 10.1109/JSEN.2003.816262
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(465 KB\)](#) **IEEE**
[Rights and Permissions](#)
- ☐ **2. The future of computing: new architectures and new to Biology versus silicon**
Warren, P.;
[Engineering Science and Education Journal](#)
Volume 11, Issue 2, April 2002 Page(s):44 - 48
[AbstractPlus](#) | Full Text: [PDF\(532 KB\)](#) **IEE JNL**
- ☐ **3. All-optical neural-net like image processing with local nonlinear optical thin films**
Khoo, I.C.; Chen, K.; Diaz, A.; Ding, J.; Yana Zhang;
[Lasers and Electro-Optics Society, 2003. LEOS 2003. The Meeting of the IEEE](#)
Volume 1, 27-28 Oct. 2003 Page(s):401 - 402 vol.1
Digital Object Identifier 10.1109/LEOS.2003.1251834
[AbstractPlus](#) | Full Text: [PDF\(221 KB\)](#) **IEEE CNF**
[Rights and Permissions](#)

[Help](#)

Indexed by
 Inspec

© Copyright

ingentaconnect**Search Results**[print](#) | [export \(plain text\)](#) | [export \(EndNote\)](#) | [email](#)**Electronic content:**[Search Fax/Ariel content](#)17 articles with title/keywords/abstract containing **nano and neural**[modify search](#)Display  20 per page [▼update marked list](#)

- ☐ **Quantum-Inspired Evolutionary Algorithms and Binary Particle Swarm Optimization for Training MLP and SRN Neural Networks**
Authors: Venayagamoorthy, Ganesh K.; Singhal, Gaurav
Source: Journal of Computational and Theoretical Nanoscience, Volume 2, Number 4, December 2005, pp. 561-568(8)
Publisher: American Scientific Publishers

- ☐ **Nano-biotechnology: carbon nanofibres as improved neural and orthopaedic implants**
Authors: Waid M.C.; McKenzie J.L.; Price R.L.; Ejiofor J.U.; Webster T.J.
Source: Nanotechnology, Volume 15, Number 1, January 2004, pp. 48-54 (7)
Publisher: Institute of Physics Publishing

- ☐ **Three-Dimensional Feedforward Neural Networks and Their Realization by Nano-Devices**
Authors: Shmerko V.P.; Yanushkevich S.N.
Source: Artificial Intelligence Review, Volume 20, Numbers 3-4, December 2003, pp. 473-494(22)
Publisher: Springer

- ☐ **Long-term stimulation of mouse hippocampal slice culture on microelectrode array**
Authors: van Bergen A.; Papanikolaou T.; Schuker A.; Moller A.; Schlosshauer B.
Source: Brain Research Protocols, Volume 11, Number 2, May 2003, pp.

123-133(11)

Publisher: Elsevier Science

☐ **Issues of Nanoelectronics: A Possible Roadmap**

Author: Kang L. Wang

Source: Journal of Nanoscience and Nanotechnology, Volume 2, Numbers 3-4, July 2002, pp. 235-266(32)

Publisher: American Scientific Publishers

☐ **Fabrication and characteristics of SnO₂ gas sensor array for volatile organic compounds recognition**

Authors: Lee D.-S.; Kim Y.T.; Huh J.-S.; Lee D.-D.

Source: Thin Solid Films, Volume 416, Number 1, 2 September 2002, pp. 271-278(8)

Publisher: Elsevier Science

☐ **Culture of neural cells on silicon wafers with nano-scale surface topograph**

Authors: Fan Y.W.; Cui F.Z.; Hou S.P.; Xu Q.Y.; Chen L.N.; Lee I.-S.

Source: Journal of Neuroscience Methods, Volume 120, Number 1, 15 October 2002, pp. 17-23(7)

Publisher: Elsevier Science

☐ **Characterization of iridium film as a stimulating neural electrode**

Authors: Lee I.-S.; Whang C.-N.; Choi K.; Choo M.-S.; Lee Y.-H.

Source: Biomaterials, Volume 23, Number 11, June 2002, pp. 2375-2380 (6)

Publisher: Elsevier Science

☐ **Recognition of volatile organic compounds using SnO₂ sensor array and pattern recognition analysis**

Authors: Lee D.-S.; Jung J.-K.; Lim J.-W.; Huh J.-S.; Lee D.-D.

Source: Sensors and Actuators B: Chemical, Volume 77, Number 1, 15 June 2001, pp. 228-236(9)

Publisher: Elsevier Science

☐ **Explosive gas recognition system using thick film sensor array and neural network**

Authors: Lee D.-S.; Jung H.-Y.; Lim J.-W.; Lee M.; Ban S.-W.; Huh J.-S.; Lee D.-D.

Source: Sensors and Actuators B: Chemical, Volume 71, Number 1, 15 November 2000, pp. 90-98(9)

Publisher: Elsevier Science

☐ **A neurocomputing model for the elastoplasticity**

Authors: Daoheng S.; Qiao H.; Hao X.

Source: Computer Methods in Applied Mechanics and Engineering, Volume 182, Number 1, 4 February 2000, pp. 177-186(10)

Publisher: Elsevier Science

- ☐ **Structure, backbone dynamics and interactions with RNA of the C-terminal RNA-binding domain of a mouse neural RNA-binding protein, Musashi1**

Authors: Nagata T.; Kanno R.; Kurihara Y.; Uesugi S.; Imai T.; Sakakibara S.-i.; Okano H.; Katahira M.

Source: Journal of Molecular Biology, Volume 287, Number 2, 26 March 1999, pp. 315-330(16)

Publisher: Elsevier Science

- ☐ **Shannon, TESPAP and Approximation Strategies**

Authors: King R.A.; Phipps T.C.

Source: Computers and Security, Volume 18, Number 5, 1999, pp. 445-453 (9)

Publisher: Elsevier Science

- ☐ **Structure, Backbone Dynamics and Interactions with RNA of the C-terminal RNA-binding Domain of a Mouse Neural RNA-binding Protein, Musashi1**

Authors: Nagata T.; Kanno R.; Kurihara Y.; Uesugi S.; Imai T.; Sakakibara S.-I.; Okano H.; Katahira M.

Source: Journal of Molecular Biology, Volume 287, Number 2, March 1999, pp. 315-330(16)

Publisher: Academic Press

- ☐ **Fast tool servo control for ultra-precision machining at extremely low feed rates**

Authors: Ku S.-s.; Larsen G.; Cetinkunt S.

Source: Mechatronics, Volume 8, Number 4, June 1998, pp. 381-393(13)

Publisher: Elsevier Science

- ☐ **Real-time imaging of a-kinase and calcineurin activities in neural cells and their activation by gangliosides.**

Author: Higashi H.

Source: Neuroscience Research, Volume 25, Supplement 2, 1996, pp. 7-7 (1)

Publisher: Elsevier Science

- ☐ **Real-time imaging of a-kinase and calcineurin activities in neural cells and their activation by gangliosides.**

Author: Higashi H.

Source: Neuroscience Research, Volume 25, Supplement 1, 1996, pp. 7-7

(1)

Publisher: Elsevier Science

^update marked list

modify search

© 2006 Ingenta Terms and Conditions | Privacy Policy



carbon nanotubes "neural network"

Search

Advanced
Scholar
Search

Scholar

Results 1 - 10 of about 303 for carbon nanotubes "neural network". (0.22 seconds)

[CITATION] An optimal neural network plasma model: a case study
B Kim, S Park - Chemom. Intell. Lab. Syst, 2001
Cited by 24 - [Web Search](#)

All articles [Recent articles](#)

Computational nanotechnology with carbon nanotubes and fullerenes - group of 2 »
DM Srivastava, MK Cho - Computing in Science & Engineering [see also IEEE ..., 2001 - [ieeexplore.ieee.org](#)
... aspect ratios as large as 10³ to 10⁵. Since their discovery about 10 years ago,
1 re- searchers have extensively investigated carbon nanotubes (and many ...
Cited by 25 - [Web Search](#) - [BL Direct](#)

Automatic design and manufacture of robotic life forms - group of 19 »
H Lipson, JB Pollack - [helen.cs-i.brandeis.edu](#)
... 3 ; yield stress, $\sigma_{yield} = 19$ MPa). The neural network was simulated in discrete
synchronized cycles. ... 20. Baughman, RH et al. Carbon nanotube actuators. ...
Cited by 155 - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

A Probabilistic-Based Design Methodology for Nanoscale Computation - group of 9 »
RI Bahar, J Mundy, J Chen - Proceedings of the 2003 IEEE/ACM international conference on ..., 2003 - [portal.acm.org](#)
... Figure 1: The principle of switching with carbon nanotubes. ... approach that can provide
continuous adaptation to errors is based on neural network structures [6 ...
Cited by 29 - [Web Search](#) - [BL Direct](#)

Books Fundamentals of Microfabrication - group of 6 »
MJ Madou - 2002 - [books.google.com](#)
... The sensor array is part of a Neural Network Sensor Array (NNSA) consisting of ... together
with a cantilever, or a tip (perhaps a carbon nanotube) may be mounted ...
Cited by 902 - [Web Search](#) - [Library Search](#)

Extending the road beyond CMOS - group of 3 »
JA Hutchby, GI Bourianoff, VV Zhirnov, JE Brewer - Circuits and Devices Magazine, IEEE, 2002 - [ieeexplore.ieee.org](#)
Page 1. The quickening pace of MOSFET technology scaling, as seen in the
new 2001 International Technology Roadmap for Semiconductors ...
Cited by 33 - [Web Search](#) - [BL Direct](#)

Towards nanocomputer architecture - group of 5 »
P Beckett, A Jennings - Proceedings of the seventh Asia-Pacific conference on ..., 2002 - [portal.acm.org](#)
... 1999) may also offer interesting nanotube building blocks ... at significantly higher
temperatures than carbon. ... Synthetic Neural Network (SNN) systems, also called ...
Cited by 23 - [Web Search](#)

A probabilistic approach to nano-computing - group of 5 »
J Chen, J Mundy, Y Bai, SM Chan, P Petrica, I ... - IEEE non-silicon computer workshop - [lems.brown.edu](#)
... However, neural network style architectures require training, and it is difficult ...
active devices as a natural characteristic of carbon nanotubes provides a ...
Cited by 10 - [View as HTML](#) - [Web Search](#)

[CITATION] Unsubscribed Journal Journal of Power Sources
CS Wang, S Zhong, DH Bradhurst, SX Dou, HK Liu, R ... - Journal of Power Sources, 1998
Cited by 14 - [Web Search](#)

The NASA Smart Probe Project for Real-Time Multiple Microsensor Tissue Recognition - group of 8 »
RJRW Mah - Stereotact Funct Neurosurg, 2003 - [content.karger.com](#)
... via fuzzy logic software (patient data) - with the neural network software to ... J,
Meyyappan M: Electronic properties of multi-walled carbon nanotubes in an ...
Cited by 3 - [Web Search](#) - [BL Direct](#)



Charles m. Lieber Nanotubes neural

Search

Advanced
Scholar P
Scholar H

Scholar

Results 1 - 10 of about 17 for Charles m. Lieber Nanotubes neural. (0.10 seconds)[All articles](#) [Recent articles](#)Structural biology with carbon nanotube AFM probes - group of 4 »

AT Woolley, CL Cheung, JH Hafner, CM Lieber - Chem. Biol, 2000 - cmliris.harvard.edu
 ... Correspondence: Charles M Lieber E-mail: cml@cmliris.harvard.edu ... Lu, H., Li, H.,
 Carrion-Vazquez, M., Oberhauser, AF ... Cheung, CL, Housman, DE & Lieber, CM (2000 ...
 Cited by 25 - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

The genesis of neurosurgery and the evolution of the neurosurgical operative environment: Part II— ... - group of 6 »

CY Liu, M Spicer, MLJ Apuzzo - Neurosurgery, 2003 - neurosurgery-online.com
 ... Liu, Charles Y. MD, Ph.D.; Spicer, Mark MD ... the form of molecular motors, **nanotubes**,
 nanomanipulators, and ... Aviram A, Ratner M: Molecular Electronics: Science and ...
 Cited by 13 - [Web Search](#) - [BL Direct](#)

Biomedical/analytical applications of deposited nanostructured Si films - group of 2 »

AK Kalkan, MR Henry, H Li, JD Cuiffi, DJ Hayes, C ... - Nanotechnology, 2005 - iop.org
 ... D Cuiffi 2, Daniel J Hayes 2, Charles Palmer 3 ... The interdigitated electrode separation
 is 40 µm. ... that has also been observed for carbon nanotube arrays [45 ...
[Web Search](#)

Apuzzo, Michael LJMD; Liu, Charles YMD, Ph. D.

AGOF PROGRESS, F PROSPECTUS - Neurosurgery, 2001 - neurosurgery-online.com
 ... Apuzzo, Michael LJ MD; Liu, Charles Y. MD, Ph.D ... of about 10⁻⁹ to 10⁻⁷ m (1 to ...
 Subsequently, **nanotubes**, nanomanipulators, nanowires, and molecular motors (Figs ...
[Web Search](#)

Cambridge Journals Online - group of 2 »

JSC Mars, MS Simulant, M Experiments, EM Studies - journals.cambridge.org
 ... window. Microscopy and Microanalysis. Editor(s): Charles E. Lyman, Lehigh University,
 USA. ... Si. Paul M. Voyles David A. Muller John L. Grazul. ...
[Web Search](#)

Association analysis of polymorphisms in serotonin 1B receptor (HTR1B) gene with heroin addiction: a ... - group of 4 »

... , KS LaForge, H Hofflich, M Levenstien, D Gordon, ... - Pharmacogenetics and genomics(Print), 2006 - jpharmacogenetics.com
 ... of atomic force spectrometry and carbon **nanotubes** [67] is ... We also thank Dr. Charles
 J. Lilly III and ... New AS, Gelernter J, Goodman M, Mitropoulou V, Koenigsberg ...
[Web Search](#)

ONLINE PUBLICATIONS

... , EADM Angelopoulos, DJC Herr, CRD France, M ... - mrs.org
 ... JR Maldonado, Z. Tan, Etec Systems, Inc., and Applied Materials company, Hayward,
 CA; M. Angelopoulos, IBM TJ Watson Research Center, Yorktown Heights, NY; R ...
[View as HTML](#) - [Web Search](#)

Symposium NN

M Electronics - Arbor - mrs.org
 ... studies of utilizing suspended **nanotubes** as self ... MACHINES - II Chair: Joseph M. Jacobson
 Tuesday ... Using pattern recognition and neural networks facilitates the ...
[View as HTML](#) - [Web Search](#)

International Research AND Development IN Biosensing - group of 2 »

J Schultz, M Mrksich, SN Bhatia, DJ Brady, AJ ... - wtec.org
 ... David J. Brady Antonio J. Ricco David R. Walt Charles L. Wilkins ... for Research Michael
 DeHaemer, Vice President for Development Geoffrey M. Holdridge, Vice ...
[View as HTML](#) - [Web Search](#)

book Nanoelectromechanics in Engineering and Biology

MP Hughes, HP Hughes - 2002 - books.google.com
 ... would be, for example — or an engineer making devices with **nanotubes**. ... nanotechnology,
 colloid and surface science, micro- engineered neural implants, neural ...
 Cited by 36 - [Web Search](#) - [Library Search](#)

Google ►

Result Page: 1 2 **Next**

Charles m. Lieber Nanotubes neural

Search

[Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2006 Google

[Sign in](#)



Charles m. Lieber Nanotubes neural

Search Books

[« Back to Search results](#)

Limited preview - [Learn more](#)

◀ Page 107 ▶

Nanoelectromechanics in Engineering and Biology

By Michael J. Hughes



Contains information across .
Nanoelectromechanics provide knowledge of...

[More about this book](#)

[Table of contents](#)
[Title page](#)
[Index](#)
[Copyright](#)

[Buy this book](#)
[CRC Press](#)
[Book Search](#)

Search